

Otis

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	0.65	1	NC*	Male	0.44	0	NC*
Female	0.25	0	NC*	Female	0.33	0	NC*
Total	0.90	1	NC*	Total	0.77	0	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.24	1	NC*	Male	0.13	0	NC*
Female	0.18	1	NC*	Female	0.11	0	NC*
Total	0.42	2	NC*	Total	0.24	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.04	0	NC*	Male	0.56	0	NC*
Female	4.09	2	NC*	Female	0.47	0	NC*
Total	4.13	2	NC*	Total	1.02	0	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	0.26	1	NC*	Male	0.46	0	NC*
				Female	0.20	0	NC*
				Total	0.66	0	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	1.66	2	NC*	Female	0.49	1	NC*
Female	1.55	1	NC*				
Total	3.21	3	NC*				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.25	0	NC*	Male	0.27	0	NC*
Female	0.08	0	NC*	Female	0.27	0	NC*
Total	0.33	0	NC*	Total	0.53	0	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.12	0	NC*	Male	4.14	4	NC*
Female	0.09	0	NC*				
Total	0.21	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	0.41	0	NC*	Male	0.28	0	NC*
Female	0.24	0	NC*	Female	0.17	0	NC*
Total	0.64	0	NC*	Total	0.45	0	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.24	0	NC*	Male	0.19	0	NC*
Female	0.06	0	NC*				
Total	0.29	0	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	0.30	0	NC*	Male	0.10	0	NC*
Female	0.23	1	NC*	Female	0.24	0	NC*
Total	0.53	1	NC*	Total	0.34	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.15	0	NC*	Female	0.77	1	NC*
Female	0.06	0	NC*				
Total	0.21	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	2.18	1	NC*	Male	13.72	9	66
Female	1.61	2	NC*	Female	12.65	11	87
Total	3.79	3	NC*	Total	26.37	20	76

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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SIR = standardized incidence ratio [**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.01$ and $p \leq 0.05$ levels

Oxford

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	7.21	7	97	Male	4.74	6	127
Female	2.78	3	NC*	Female	3.77	2	NC*
Total	9.99	10	100	Total	8.51	8	94
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	2.55	4	NC*	Male	1.37	3	NC*
Female	2.03	3	NC*	Female	1.25	2	NC*
Total	4.57	7	153	Total	2.62	5	191
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.47	1	NC*	Male	6.02	6	100
Female	46.87	43	92	Female	5.31	7	132
Total	47.33	44	93	Total	11.33	13	115
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	3.00	4	NC*	Male	4.87	4	NC*
				Female	2.27	1	NC*
				Total	7.14	5	70
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	18.18	13	72	Female	5.57	7	126
Female	17.38	18	104				
Total	35.56	31	87				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	2.68	2	NC*	Male	2.89	6	207
Female	0.89	1	NC*	Female	3.03	3	NC*
Total	3.57	3	NC*	Total	5.92	9	152
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	1.29	1	NC*	Male	44.07	44	100
Female	1.05	1	NC*				
Total	2.34	2	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	4.33	9	208	Male	3.08	2	NC*
Female	2.71	5	185	Female	1.88	2	NC*
Total	7.04	14	199 #+	Total	4.95	4	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	2.49	1	NC*	Male	1.99	4	NC*
Female	0.68	0	NC*				
Total	3.17	1	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			

Male	3.31	4	NC*
Female	2.62	3	NC*
Total	5.93	7	118

Liver and Intrahepatic Bile Ducts

Male	1.60	0	NC*
Female	0.65	0	NC*
Total	2.25	0	NC*

Lung and Bronchus

Male	23.32	20	86
Female	18.54	15	81
Total	41.86	35	84

Male	1.01	2	NC*
Female	2.75	1	NC*
Total	3.76	3	NC*

Uteri, Corpus and Uterus, NOS

Female	8.92	4	NC*
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All Sites / Types

Male	147.67	149	101
Female	144.25	138	96
Total	291.92	287	98

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Palmer

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	8.54	12	141
Female	3.45	6	174
Total	11.99	18	150

Brain and Other Central Nervous System

Male	2.63	2	NC*
Female	2.14	4	NC*
Total	4.77	6	126

Breast

Male	0.53	0	NC*
Female	51.09	51	100
Total	51.63	51	99

Cervix Uteri

Female	2.97	7	235
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Colon / Rectum

Male	21.38	24	112
Female	21.73	14	64
Total	43.11	38	88

Esophagus

Male	2.98	2	NC*
Female	1.12	1	NC*
Total	4.10	3	NC*

Hodgkin's Disease

Male	1.22	0	NC*
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	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	5.10	4	NC*
Female	3.99	5	125
Total	9.09	9	99

Multiple Myeloma

Male	1.59	0	NC*
Female	1.48	3	NC*
Total	3.07	3	NC*

Non-Hodgkin's Lymphoma

Male	6.52	5	77
Female	6.15	2	NC*
Total	12.67	7	55

Oral Cavity and Pharynx

Male	5.16	3	NC*
Female	2.57	0	NC*
Total	7.73	3	NC*

Ovary

Female	5.97	11	184
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Pancreas

Male	3.29	5	152
Female	3.75	2	NC*
Total	7.04	7	99

Prostate

Male	50.39	45	89
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Female	1.01	1	NC*
Total	2.24	1	NC*
<u>Kidney and Renal Pelvis</u>			
Male	4.77	8	168
Female	3.08	2	NC*
Total	7.84	10	127
<u>Larynx</u>			
Male	2.71	10	369 ~+
Female	0.74	2	NC*
Total	3.45	12	348 ^+
<u>Leukemia</u>			
Male	3.61	4	NC*
Female	2.92	4	NC*
Total	6.53	8	123
<u>Liver and Intrahepatic Bile Ducts</u>			
Male	1.75	6	342 #+
Female	0.79	1	NC*
Total	2.54	7	276 #+
<u>Lung and Bronchus</u>			
Male	26.80	33	123
Female	21.35	26	122
Total	48.15	59	123

<u>Stomach</u>			
Male	3.56	4	NC*
Female	2.34	5	213
Total	5.90	9	152
<u>Testis</u>			
Male	1.83	1	NC*
<u>Thyroid</u>			
Male	0.99	0	NC*
Female	2.65	3	NC*
Total	3.64	3	NC*
<u>Uteri, Corpus and Uterus, NOS</u>			
Female	9.79	9	92
<u>All Sites / Types</u>			
Male	166.80	182	109
Female	163.39	165	101
Total	330.20	347	105

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Paxton

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	3.20	3	NC*	Male	1.97	4	NC*
Female	1.09	0	NC*	Female	1.43	2	NC*
Total	4.28	3	NC*	Total	3.40	6	177
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.01	0	NC*	Male	0.61	0	NC*
Female	0.77	2	NC*	Female	0.51	1	NC*
Total	1.78	2	NC*	Total	1.12	1	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.21	1	NC*	Male	2.46	3	NC*
Female	18.89	18	95	Female	2.07	1	NC*
Total	19.10	19	99	Total	4.53	4	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	1.10	2	NC*	Male	2.10	0	NC*
				Female	0.91	0	NC*

				Total	3.01	0	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	8.06	2	NC*				
Female	6.78	5	74	Female	2.21	1	NC*
Total	14.84	7	47 #-				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.20	0	NC*	Male	1.28	2	NC*
Female	0.35	0	NC*	Female	1.20	0	NC*
Total	1.54	0	NC*	Total	2.48	2	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.42	0	NC*	Male	20.07	16	80
Female	0.35	0	NC*				
Total	0.77	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	1.89	4	NC*	Male	1.34	1	NC*
Female	1.10	1	NC*	Female	0.72	1	NC*
Total	2.98	5	168	Total	2.06	2	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	1.11	1	NC*	Male	0.58	1	NC*
Female	0.29	0	NC*				
Total	1.40	1	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	1.35	0	NC*	Male	0.38	1	NC*
Female	0.99	0	NC*	Female	0.97	2	NC*
Total	2.34	0	NC*	Total	1.34	3	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.70	0	NC*				
Female	0.26	0	NC*	Female	3.69	6	163
Total	0.95	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	10.47	3	NC*	Male	64.63	45	70 #-
Female	7.66	5	65	Female	57.29	52	91
Total	18.13	8	44 #-	Total	121.92	97	80 #-

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Peabody

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	34.24	41	120	Male	21.19	24	113
Female	13.51	15	111	Female	16.48	11	67
Total	47.75	56	117	Total	37.67	35	93

Brain and Other Central Nervous System

Male	10.95	11	100
Female	8.79	3	NC*
Total	19.74	14	71

Breast

Male	2.19	2	NC*
Female	214.19	236	110
Total	216.37	238	110

Cervix Uteri

Female	12.52	12	96
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Colon / Rectum

Male	86.53	96	111
Female	84.49	84	99
Total	171.02	180	105

Esophagus

Male	12.58	14	111
Female	4.36	1	NC*
Total	16.94	15	89

Hodgkin's Disease

Male	5.01	8	160
Female	4.09	3	NC*
Total	9.10	11	121

Kidney and Renal Pelvis

Male	19.91	34	171 ~+
Female	12.69	15	118
Total	32.59	49	150 ~+

Larynx

Male	11.59	18	155
Female	3.19	3	NC*
Total	14.78	21	142

Leukemia

Male	14.53	17	117
Female	11.57	12	104
Total	26.11	29	111

Liver and Intrahepatic Bile Ducts

Male	7.37	10	136
Female	3.12	0	NC*
Total	10.49	10	95

Lung and Bronchus

Male	111.30	138	124 #+
Female	88.66	97	109
Total	199.95	235	118 #+

Multiple Myeloma

Male	6.44	9	140
Female	6.00	7	117
Total	12.44	16	129

Non-Hodgkin's Lymphoma

Male	26.76	34	127
Female	24.71	29	117
Total	51.47	63	122

Oral Cavity and Pharynx

Male	22.03	24	109
Female	10.57	11	104
Total	32.60	35	107

Ovary

Female	25.05	22	88
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Pancreas

Male	13.61	19	140
Female	14.79	16	108
Total	28.40	35	123

Prostate

Male	212.52	226	106
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Stomach

Male	14.38	6	42 #-
Female	9.05	10	111
Total	23.43	16	68

Testis

Male	7.47	5	67
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Thyroid

Male	4.20	1	NC*
Female	11.07	12	108
Total	15.27	13	85

Uteri, Corpus and Uterus, NOS

Female	41.41	54	130
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All Sites / Types

Male	690.90	785	114 ^+
Female	668.58	710	106
Total	1359.48	1495	110 ^+

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Pelham

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	1.05	0	NC*	Male	0.64	1	NC*
Female	0.29	0	NC*	Female	0.44	0	NC*
Total	1.34	0	NC*	Total	1.08	1	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.33	0	NC*	Male	0.19	0	NC*
Female	0.23	0	NC*	Female	0.14	0	NC*
Total	0.56	0	NC*	Total	0.34	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.07	0	NC*	Male	0.81	0	NC*
Female	5.56	6	108	Female	0.59	0	NC*
Total	5.63	6	107	Total	1.40	0	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	0.36	0	NC*	Male	0.68	0	NC*
				Female	0.26	0	NC*
				Total	0.94	0	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	2.65	2	NC*	Female	0.66	0	NC*
Female	1.80	2	NC*				
Total	4.45	4	NC*				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.39	0	NC*	Male	0.42	1	NC*
Female	0.09	0	NC*	Female	0.32	0	NC*
Total	0.48	0	NC*	Total	0.74	1	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.15	0	NC*	Male	6.55	5	76
Female	0.12	0	NC*				
Total	0.26	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	0.60	3	NC*	Male	0.44	0	NC*
Female	0.31	0	NC*	Female	0.19	0	NC*
Total	0.91	3	NC*	Total	0.64	0	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.36	0	NC*	Male	0.21	0	NC*
Female	0.08	0	NC*				
Total	0.44	0	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	0.44	0	NC*	Male	0.13	1	NC*
Female	0.28	0	NC*	Female	0.33	0	NC*
Total	0.72	0	NC*	Total	0.45	1	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.23	0	NC*	Female	1.07	2	NC*
Female	0.07	0	NC*				
Total	0.30	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			

Male	3.40	2	NC*
Female	2.16	0	NC*
Total	5.55	2	NC*

Male	21.15	18	85
Female	16.42	11	67
Total	37.57	29	77

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Pembroke

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<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	7.52	21	279 ^+	Male	5.47	6	110
Female	2.68	4	NC*	Female	4.14	4	NC*
Total	10.19	25	245 ^+	Total	9.61	10	104
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	2.99	1	NC*	Male	1.49	1	NC*
Female	2.21	4	NC*	Female	1.28	3	NC*
Total	5.20	5	96	Total	2.77	4	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.51	0	NC*	Male	6.79	8	118
Female	51.51	60	116	Female	5.40	5	93
Total	52.02	60	115	Total	12.19	13	107
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	3.41	6	176	Male	5.84	5	86
<u>Colon / Rectum</u>				Female	2.41	1	NC*
Male	19.07	22	115	Total	8.25	6	73
Female	16.66	19	114	<u>Ovary</u>			
Total	35.73	41	115	Female	6.16	11	179
<u>Esophagus</u>				<u>Pancreas</u>			
Male	3.06	5	163	Male	3.17	4	NC*
Female	0.84	3	NC*	Female	2.91	2	NC*
Total	3.90	8	205	Total	6.08	6	99
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	1.51	4	NC*	Male	48.46	60	124
Female	1.15	0	NC*	<u>Stomach</u>			
Total	2.67	4	NC*	Male	3.28	4	NC*
<u>Kidney and Renal Pelvis</u>				Female	1.80	1	NC*
Male	5.00	6	120	Total	5.09	5	98
Female	2.82	1	NC*	<u>Testis</u>			
Total	7.82	7	89	Male	2.31	3	NC*
<u>Larynx</u>							
Male	2.93	1	NC*				

Female	0.74	0	NC*
Total	3.67	1	NC*
<u>Leukemia</u>			
Male	3.70	3	NC*
Female	2.78	2	NC*
Total	6.48	5	77
<u>Liver and Intrahepatic Bile Ducts</u>			
Male	1.83	0	NC*
Female	0.64	1	NC*
Total	2.47	1	NC*
<u>Lung and Bronchus</u>			
Male	25.51	33	129
Female	19.04	26	137
Total	44.55	59	132 #+

<u>Thyroid</u>			
Male	1.23	0	NC*
Female	3.13	5	160
Total	4.36	5	115
<u>Uteri, Corpus and Uterus, NOS</u>			
Female	9.80	15	153
<u>All Sites / Types</u>			
Male	162.75	198	122 ~+
Female	151.94	184	121 #+
Total	314.69	382	121 ^+

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indicates statistical significance at the $p \leq 0.05$ level

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Pepperell

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	4.36	10	229 #+	Male	3.39	5	147
Female	1.71	3	NC*	Female	2.72	1	NC*
Total	6.07	13	214 #+	Total	6.11	6	98
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.92	2	NC*	Male	0.88	1	NC*
Female	1.44	2	NC*	Female	0.81	1	NC*
Total	3.36	4	NC*	Total	1.69	2	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.30	1	NC*	Male	4.22	1	NC*
Female	32.89	32	97	Female	3.47	5	144
Total	33.19	33	99	Total	7.69	6	78
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	2.27	6	264	Male	3.59	4	NC*
<u>Colon / Rectum</u>				Female	1.54	2	NC*
Male	11.07	11	99	Total	5.13	6	117
Female	10.65	7	66	<u>Ovary</u>			
Total	21.72	18	83	Female	3.96	3	NC*
<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.82	1	NC*	Male	1.86	2	NC*
Female	0.54	1	NC*	Female	1.85	1	NC*

Total	2.35	2	NC*
<u>Hodgkin's Disease</u>			
Male	1.04	0	NC*
Female	0.79	3	NC*
Total	1.83	3	NC*

<u>Kidney and Renal Pelvis</u>			
Male	3.05	5	164
Female	1.78	3	NC*
Total	4.83	8	166

<u>Larynx</u>			
Male	1.76	2	NC*
Female	0.46	1	NC*
Total	2.22	3	NC*

<u>Leukemia</u>			
Male	2.33	2	NC*
Female	1.82	2	NC*
Total	4.15	4	NC*

<u>Liver and Intrahepatic Bile Ducts</u>			
Male	1.10	1	NC*
Female	0.41	1	NC*
Total	1.51	2	NC*

<u>Lung and Bronchus</u>			
Male	14.94	7	47 #-
Female	11.87	12	101
Total	26.81	19	71

Total	3.71	3	NC*
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<u>Prostate</u>			
Male	28.10	23	82

<u>Stomach</u>			
Male	1.93	1	NC*
Female	1.17	0	NC*
Total	3.10	1	NC*

<u>Testis</u>			
Male	1.63	1	NC*

<u>Thyroid</u>			
Male	0.81	0	NC*
Female	2.11	4	NC*
Total	2.92	4	NC*

<u>Uteri, Corpus and Uterus, NOS</u>			
Female	6.18	3	NC*

<u>All Sites / Types</u>			
Male	96.90	86	89
Female	97.19	97	100
Total	194.09	183	94

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Peru

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	0.51	0	NC*
Female	0.13	0	NC*
Total	0.64	0	NC*

<u>Brain and Other Central Nervous System</u>			
Male	0.17	0	NC*
Female	0.11	0	NC*
Total	0.28	0	NC*

<u>Breast</u>			
Male	0.03	0	NC*
Female	2.44	1	NC*
Total	2.48	1	NC*

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	0.32	0	NC*
Female	0.20	1	NC*
Total	0.52	1	NC*

<u>Multiple Myeloma</u>			
Male	0.10	0	NC*
Female	0.06	0	NC*
Total	0.16	0	NC*

<u>Non-Hodgkin's Lymphoma</u>			
Male	0.40	0	NC*
Female	0.27	0	NC*
Total	0.67	0	NC*

Cervix Uteri

Female	0.17	0	NC*
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Colon / Rectum

Male	1.28	0	NC*
Female	0.81	0	NC*
Total	2.09	0	NC*

Esophagus

Male	0.18	0	NC*
Female	0.04	0	NC*
Total	0.23	0	NC*

Hodgkin's Disease

Male	0.08	0	NC*
Female	0.06	0	NC*
Total	0.14	0	NC*

Kidney and Renal Pelvis

Male	0.30	0	NC*
Female	0.14	0	NC*
Total	0.44	0	NC*

Larynx

Male	0.17	0	NC*
Female	0.04	0	NC*
Total	0.21	0	NC*

Leukemia

Male	0.23	0	NC*
Female	0.14	1	NC*
Total	0.37	1	NC*

Liver and Intrahepatic Bile Ducts

Male	0.11	0	NC*
Female	0.03	0	NC*
Total	0.14	0	NC*

Lung and Bronchus

Male	1.62	2	NC*
Female	0.94	0	NC*
Total	2.56	2	NC*

Oral Cavity and Pharynx

Male	0.33	0	NC*
Female	0.12	0	NC*
Total	0.45	0	NC*

Ovary

Female	0.30	0	NC*
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Pancreas

Male	0.20	0	NC*
Female	0.14	0	NC*
Total	0.34	0	NC*

Prostate

Male	3.04	1	NC*
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Stomach

Male	0.22	0	NC*
Female	0.09	0	NC*
Total	0.30	0	NC*

Testis

Male	0.11	0	NC*
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Thyroid

Male	0.06	0	NC*
Female	0.16	1	NC*
Total	0.22	1	NC*

Uteri, Corpus and Uterus, NOS

Female	0.46	0	NC*
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All Sites / Types

Male	10.16	3	NC*
Female	7.34	6	82
Total	17.50	9	51 #-

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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Petersham

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			

Male	0.86	1	NC*
Female	0.39	1	NC*
Total	1.25	2	NC*
<u>Brain and Other Central Nervous System</u>			
Male	0.27	0	NC*
Female	0.22	0	NC*
Total	0.49	0	NC*
<u>Breast</u>			
Male	0.05	0	NC*
Female	5.50	3	NC*
Total	5.55	3	NC*
<u>Cervix Uteri</u>			
Female	0.29	1	NC*
<u>Colon / Rectum</u>			
Male	2.16	3	NC*
Female	2.44	0	NC*
Total	4.60	3	NC*
<u>Esophagus</u>			
Male	0.32	0	NC*
Female	0.13	0	NC*
Total	0.44	0	NC*
<u>Hodgkin's Disease</u>			
Male	0.12	0	NC*
Female	0.09	0	NC*
Total	0.21	0	NC*
<u>Kidney and Renal Pelvis</u>			
Male	0.50	2	NC*
Female	0.33	0	NC*
Total	0.83	2	NC*
<u>Larynx</u>			
Male	0.29	0	NC*
Female	0.08	0	NC*
Total	0.37	0	NC*
<u>Leukemia</u>			
Male	0.36	0	NC*
Female	0.30	0	NC*
Total	0.67	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>			
Male	0.18	0	NC*
Female	0.09	0	NC*
Total	0.27	0	NC*
<u>Lung and Bronchus</u>			
Male	2.76	2	NC*
Female	2.34	0	NC*
Total	5.10	2	NC*

Male	0.53	0	NC*
Female	0.41	0	NC*
Total	0.94	0	NC*
<u>Multiple Myeloma</u>			
Male	0.16	0	NC*
Female	0.16	0	NC*
Total	0.33	0	NC*
<u>Non-Hodgkin's Lymphoma</u>			
Male	0.66	1	NC*
Female	0.66	0	NC*
Total	1.33	1	NC*
<u>Oral Cavity and Pharynx</u>			
Male	0.56	0	NC*
Female	0.28	0	NC*
Total	0.84	0	NC*
<u>Ovary</u>			
Female	0.63	1	NC*
<u>Pancreas</u>			
Male	0.34	0	NC*
Female	0.42	2	NC*
Total	0.76	2	NC*
<u>Prostate</u>			
Male	5.27	5	95
<u>Stomach</u>			
Male	0.36	0	NC*
Female	0.26	0	NC*
Total	0.63	0	NC*
<u>Testis</u>			
Male	0.17	0	NC*
<u>Thyroid</u>			
Male	0.10	0	NC*
Female	0.25	0	NC*
Total	0.35	0	NC*
<u>Uteri, Corpus and Uterus, NOS</u>			
Female	1.07	0	NC*
<u>All Sites / Types</u>			
Male	17.17	14	82
Female	17.69	11	62
Total	34.86	25	72

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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Phillipston

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	0.88	0	NC*	Male	0.64	0	NC*
Female	0.24	0	NC*	Female	0.42	0	NC*
Total	1.12	0	NC*	Total	1.06	0	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.35	1	NC*	Male	0.17	0	NC*
Female	0.23	0	NC*	Female	0.12	1	NC*
Total	0.58	1	NC*	Total	0.29	1	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.06	0	NC*	Male	0.80	1	NC*
Female	4.94	2	NC*	Female	0.52	0	NC*
Total	5.00	2	NC*	Total	1.32	1	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	0.36	0	NC*	Male	0.67	0	NC*
				Female	0.23	0	NC*
				Total	0.90	0	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	2.23	1	NC*	Female	0.60	0	NC*
Female	1.49	0	NC*				
Total	3.72	1	NC*				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.35	0	NC*	Male	0.37	0	NC*
Female	0.07	0	NC*	Female	0.26	0	NC*
Total	0.43	0	NC*	Total	0.63	0	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.18	0	NC*	Male	5.61	5	89
Female	0.13	1	NC*				
Total	0.32	1	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	0.58	0	NC*	Male	0.38	0	NC*
Female	0.27	0	NC*	Female	0.16	0	NC*
Total	0.85	0	NC*	Total	0.55	0	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.34	1	NC*	Male	0.29	1	NC*
Female	0.07	0	NC*				
Total	0.41	1	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	0.43	0	NC*	Male	0.15	0	NC*
Female	0.27	1	NC*	Female	0.35	0	NC*
Total	0.70	1	NC*	Total	0.49	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.21	0	NC*				

Female	0.06	0	NC*
Total	0.27	0	NC*

Lung and Bronchus

Male	2.96	1	NC*
Female	1.80	4	NC*
Total	4.76	5	105

Female	0.92	0	NC*
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All Sites / Types

Male	18.96	12	63
Female	14.48	11	76
Total	33.44	23	69

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Pittsfield

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	36.51	25	68	Male	20.93	14	67
Female	15.26	16	105	Female	16.60	9	54
Total	51.78	41	79	Total	37.54	23	61 #-
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	10.56	10	95	Male	6.68	8	120
Female	8.93	6	67	Female	6.47	4	NC*
Total	19.48	16	82	Total	13.16	12	91
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	2.25	2	NC*	Male	26.87	18	67
Female	216.54	224	103	Female	26.56	12	45 ~-
Total	218.79	226	103	Total	53.44	30	56 ^-
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	11.98	11	92	Male	21.08	17	81
				Female	11.05	3	NC*
				Total	32.13	20	62 #-
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	91.00	94	103	Female	25.11	26	104
Female	96.11	71	74 ~-				
Total	187.11	165	88				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	12.43	6	48	Male	13.90	17	122
Female	4.98	2	NC*	Female	16.59	14	84
Total	17.41	8	46 #-	Total	30.49	31	102
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	4.74	5	105	Male	211.31	151	71 ^-
Female	4.00	1	NC*				
Total	8.74	6	69				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	19.61	10	51 #-	Male	15.17	8	53
Female	13.28	9	68	Female	10.34	6	58

Larynx	Total	32.89	19	58 #-	Testis	Total	25.51	14	55 #-
	Male	11.15	7	63		Male	6.94	2	NC*
	Female	3.18	3	NC*					
	Total	14.33	10	70					
Leukemia	Male	14.87	11	74	Thyroid	Male	3.87	3	NC*
	Female	12.39	8	65		Female	10.50	7	67
	Total	27.26	19	70		Total	14.37	10	70
Liver and Intrahepatic Bile Ducts	Male	7.26	1	NC*	Uteri, Corpus and Uterus, NOS	Female	41.77	36	86
	Female	3.44	4	NC*					
	Total	10.70	5	47					
Lung and Bronchus	Male	112.30	74	66 ^-	All Sites / Types	Male	697.28	520	75 ^-
	Female	92.87	74	80		Female	701.30	587	84 ^-
	Total	205.17	148	72 ^-		Total	1398.58	1107	79 ^-

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Plainfield

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	0.47	1	NC*	Male	0.27	0	NC*
Female	0.11	0	NC*	Female	0.16	0	NC*
Total	0.59	1	NC*	Total	0.43	0	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.13	0	NC*	Male	0.09	0	NC*
Female	0.09	0	NC*	Female	0.06	0	NC*
Total	0.22	0	NC*	Total	0.14	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.03	0	NC*	Male	0.34	0	NC*
Female	2.13	3	NC*	Female	0.23	0	NC*
Total	2.16	3	NC*	Total	0.57	0	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	0.13	0	NC*	Male	0.28	0	NC*
				Female	0.10	0	NC*
				Total	0.38	0	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	1.17	0	NC*	Female	0.25	0	NC*
Female	0.72	0	NC*				
Total	1.89	0	NC*				

Esophagus

Male	0.16	0	NC*
Female	0.04	0	NC*
Total	0.20	0	NC*

Hodgkin's Disease

Male	0.05	0	NC*
Female	0.04	0	NC*
Total	0.09	0	NC*

Kidney and Renal Pelvis

Male	0.26	0	NC*
Female	0.12	0	NC*
Total	0.38	0	NC*

Larynx

Male	0.15	0	NC*
Female	0.03	0	NC*
Total	0.18	0	NC*

Leukemia

Male	0.19	0	NC*
Female	0.11	0	NC*
Total	0.30	0	NC*

Liver and Intrahepatic Bile Ducts

Male	0.09	0	NC*
Female	0.03	0	NC*
Total	0.12	0	NC*

Lung and Bronchus

Male	1.46	1	NC*
Female	0.84	0	NC*
Total	2.30	1	NC*

Pancreas

Male	0.18	0	NC*
Female	0.13	0	NC*
Total	0.31	0	NC*

Prostate

Male	2.74	1	NC*
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Stomach

Male	0.20	0	NC*
Female	0.08	0	NC*
Total	0.27	0	NC*

Testis

Male	0.07	0	NC*
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Thyroid

Male	0.05	0	NC*
Female	0.11	0	NC*
Total	0.16	0	NC*

Uteri, Corpus and Uterus, NOS

Female	0.42	0	NC*
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All Sites / Types

Male	8.98	3	NC*
Female	6.34	3	NC*
Total	15.33	6	39 #-

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

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indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.01$ and $p \leq 0.05$ levels

Plainville

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	4.22	7	166	Male	2.84	4	NC*
Female	1.79	2	NC*	Female	2.31	3	NC*
Total	6.01	9	150	Total	5.15	7	136
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.51	4	NC*	Male	0.81	0	NC*
Female	1.21	2	NC*	Female	0.79	1	NC*
Total	2.72	6	220	Total	1.60	1	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			

Male	0.28	1	NC*
Female	29.02	21	72
Total	29.30	22	75

Cervix Uteri

Female	1.81	2	NC*
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Colon / Rectum

Male	10.64	10	94
Female	11.19	9	80
Total	21.83	19	87

Esophagus

Male	1.59	3	NC*
Female	0.58	0	NC*
Total	2.16	3	NC*

Hodgkin's Disease

Male	0.78	1	NC*
Female	0.61	2	NC*
Total	1.39	3	NC*

Kidney and Renal Pelvis

Male	2.58	1	NC*
Female	1.68	0	NC*
Total	4.26	1	NC*

Larynx

Male	1.48	1	NC*
Female	0.42	0	NC*
Total	1.90	1	NC*

Leukemia

Male	1.93	0	NC*
Female	1.59	3	NC*
Total	3.53	3	NC*

Liver and Intrahepatic Bile Ducts

Male	0.95	2	NC*
Female	0.41	0	NC*
Total	1.36	2	NC*

Lung and Bronchus

Male	13.72	21	153
Female	11.59	10	86
Total	25.31	31	122

Male	3.58	4	NC*
Female	3.32	3	NC*
Total	6.90	7	101

Oral Cavity and Pharynx

Male	2.92	0	NC*
Female	1.42	2	NC*
Total	4.34	2	NC*

Ovary

Female	3.42	1	NC*
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Pancreas

Male	1.70	0	NC*
Female	1.95	1	NC*
Total	3.65	1	NC*

Prostate

Male	25.84	16	62
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Stomach

Male	1.81	0	NC*
Female	1.21	0	NC*
Total	3.02	0	NC*

Testis

Male	1.23	1	NC*
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Thyroid

Male	0.62	1	NC*
Female	1.63	3	NC*
Total	2.25	4	NC*

Uteri, Corpus and Uterus, NOS

Female	5.53	3	NC*
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All Sites / Types

Male	87.04	80	92
Female	90.00	77	86
Total	177.04	157	89

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Plymouth

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	28.22	33	117
Female	10.99	15	136
Total	39.21	48	122
<u>Brain and Other Central Nervous System</u>			
Male	9.74	11	113
Female	7.59	9	119
Total	17.33	20	115
<u>Breast</u>			
Male	1.83	2	NC*
Female	178.69	168	94
Total	180.52	170	94
<u>Cervix Uteri</u>			
Female	11.13	12	108
<u>Colon / Rectum</u>			
Male	70.51	80	113
Female	69.08	54	78
Total	139.58	134	96
<u>Esophagus</u>			
Male	10.39	7	67
Female	3.53	2	NC*
Total	13.91	9	65
<u>Hodgkin's Disease</u>			
Male	4.81	7	146
Female	3.82	3	NC*
Total	8.63	10	116
<u>Kidney and Renal Pelvis</u>			
Male	16.86	21	125
Female	10.27	18	175 #+
Total	27.13	39	144 #+
<u>Larynx</u>			
Male	9.64	9	93
Female	2.53	3	NC*
Total	12.17	12	99
<u>Leukemia</u>			
Male	12.83	15	117
Female	10.14	10	99
Total	22.98	25	109
<u>Liver and Intrahepatic Bile Ducts</u>			
Male	6.17	5	81
Female	2.52	0	NC*
Total	8.69	5	58
<u>Lung and Bronchus</u>			
Male	89.56	100	112
Female	69.96	76	109
Total	159.51	176	110

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	18.43	26	141
Female	14.28	11	77
Total	32.71	37	113
<u>Multiple Myeloma</u>			
Male	5.37	8	149
Female	4.88	5	103
Total	10.24	13	127
<u>Non-Hodgkin's Lymphoma</u>			
Male	23.28	17	73
Female	20.41	25	122
Total	43.69	42	96
<u>Oral Cavity and Pharynx</u>			
Male	18.98	25	132
Female	8.75	14	160
Total	27.72	39	141 #+
<u>Ovary</u>			
Female	21.10	13	62
<u>Pancreas</u>			
Male	11.22	9	80
Female	11.85	11	93
Total	23.07	20	87
<u>Prostate</u>			
Male	167.57	152	91
<u>Stomach</u>			
Male	12.06	9	75
Female	7.51	2	NC*
Total	19.57	11	56
<u>Testis</u>			
Male	7.30	10	137
<u>Thyroid</u>			
Male	3.84	2	NC*
Female	10.11	10	99
Total	13.95	12	86
<u>Uteri, Corpus and Uterus, NOS</u>			
Female	33.93	31	91
<u>All Sites / Types</u>			
Male	568.24	587	103
Female	553.76	532	96
Total	1122.00	1119	100

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Plympton

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	1.20	3	NC*	Male	0.93	1	NC*
Female	0.44	0	NC*	Female	0.70	0	NC*
Total	1.63	3	NC*	Total	1.64	1	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.51	0	NC*	Male	0.25	0	NC*
Female	0.37	1	NC*	Female	0.22	1	NC*
Total	0.88	1	NC*	Total	0.47	1	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.08	0	NC*	Male	1.13	0	NC*
Female	9.00	6	67	Female	0.91	2	NC*
Total	9.08	6	66	Total	2.04	2	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	0.58	0	NC*	Male	1.02	0	NC*
				Female	0.41	0	NC*
				Total	1.44	0	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	3.05	6	197	Female	1.07	1	NC*
Female	2.71	2	NC*				
Total	5.76	8	139				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.52	0	NC*	Male	0.52	0	NC*
Female	0.14	0	NC*	Female	0.48	0	NC*
Total	0.66	0	NC*	Total	1.00	0	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.25	0	NC*	Male	8.07	5	62
Female	0.19	0	NC*				
Total	0.44	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	0.86	2	NC*	Male	0.53	0	NC*
Female	0.49	0	NC*	Female	0.29	0	NC*
Total	1.35	2	NC*	Total	0.82	0	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.51	0	NC*	Male	0.38	0	NC*
Female	0.13	0	NC*				
Total	0.64	0	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	0.61	1	NC*	Male	0.21	0	NC*
Female	0.46	0	NC*	Female	0.52	0	NC*

Total	1.07	1	NC*	Total	0.74	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.31	0	NC*				
Female	0.11	0	NC*	Female	1.74	0	NC*
Total	0.42	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	4.24	2	NC*	Male	26.99	24	89
Female	3.32	1	NC*	Female	25.98	16	62
Total	7.56	3	NC*	Total	52.97	40	76

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